

Date: Thu, 10 Jun 93 12:10:39 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #709  
To: Info-Hams

Info-Hams Digest                      Thu, 10 Jun 93                      Volume 93 : Issue    709

Today's Topics:

13 More BBS related to HAM RADIO / other than rec.radio.---  
    Air-band radio question  
    Astron as battery charger (was Field Day Power) (2 msgs)  
    AURORA WATCH: Warning Downgraded to a Watch - 18Z/10 June  
    Callbook server  
    HB9CV (was Re: 3 Element, 2m Beam Project ?)  
    HW-100 versus HW-101 ???  
    Ky sked on 432 MHz needed  
    QSLs to Russia and CIS  
    radar gun license  
    The ITU phonetic alphabet

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
-----

Date: Thu, 10 Jun 1993 12:55:58 GMT  
From: agate!howland.reston.ans.net!sol.ctr.columbia.edu!NewsWatcher!user@ames.arpa  
Subject: 13 More BBS related to HAM RADIO / other than rec.radio.---  
To: info-hams@ucsd.edu

Relative to the new foreign BBS that have been entered into the Internet  
News system, there are at least 13 more found that are not rec.radio.---!  
These are mostly foreign ones. Samples are; Zer.Z-netz.telecom.amateur  
(assume ham or CB);  
tamu,karm.radio,aus.radio;fj.rec.ham(Japanese);uk.radio.amateur; and others  
such su.org.ham-radio;rpi.union.ham-radio (likely not foreign). Out of the  
13, there are now 6 actively with messages. Dick W1DGA

If you enjoy Ham Radio, Fruit trees and exotic fruit, and photos from 1800s as well as old cameras and oriental cultural things, then you are a potential friend, so contact me. W1DGA on HF, 2M SSB, 6M SSB, 432 & 1296 SSB. Researching family names: Bolt; Barkwill/Balkwill/Buckwill /Barkwell(England/Canada/USA); Gagnon; Garrah(Canada); Bowman; Cross; Fishleigh; Rockey (England). Clark and Buxton on other side.

-----  
Date: Wed, 09 Jun 93 13:20:25 GMT  
From: pacbell.com!iggy.GW.Vitalink.COM!wetware!spunky.RedBrick.COM!psinntp!psinntp!laidbak!tellab5!balr!ttd.teradyne.com!news@network.UCSD.EDU  
Subject: Air-band radio question  
To: info-hams@ucsd.edu

In article <1993Jun4.100013.9795@bongo.tele.com>, julian@bongo.tele.com (Julian Macassey) writes:

>  
>  
> Down in my garage and telecom warehouse I have an air-band  
> walkie-talkie. I picked it up in a trade somewhere and have as yet  
> never had a need for it.  
>  
> ...deleted  
>  
> To save time, I could call him while I am still in the air, so  
> he will know when and where I will land. I assume this is OK as I am  
> using an air-band radio which should be compatible with the aeroplane  
> stuff.  
>  
> What frequency should I use for this? I believe there is a  
> standard plan to plane chat freq. Will that freq be busy near the  
> airport?  
>  
> --  
> Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495  
> Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

Julian,

If you use that radio - especially from a commercial airplane in flight, you'll be in violation of several FCC and FAA rules... Don't do it.... you don't have a license for it anyway.

-----

John Rice    \_\_|\_\_    K9IJ   |    "Did I say that?" I must have, but It was

-----(\*)----- | MY opinion only, no one else's...Especially  
o/ \o | Not my Employer's....  
rice@ttd.teradyne.com | Private Pilot : ASEL, AMEL, IA

-----  
Date: 10 Jun 93 02:26:18 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Astron as battery charger (was Field Day Power)  
To: info-hams@ucsd.edu

Check QST, April 1990, page 33. There's an article on emergency power  
that addresses this thouroughly.  
73, doug  
faunt@netcom.com N6TQS 510-655-8604

-----  
Date: 10 Jun 93 11:21:56  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
ux1.cso.uiuc.edu!sdd.hp.com!saimiri.prima.te.wisc.edu!caen!rphroy!link.ph.gmr.com!  
vbreault@network.UCSD.EDU  
Subject: Astron as battery charger (was Field Day Power)  
To: info-hams@ucsd.edu

In article <1993Jun9.163459.3277@sequent.com> dale@sequent.com (Dale Mosby)  
writes:

I appreciate the responses to my question about Field Day power.  
I'm thinking of connecting the Astron supply to a 12 volt deep  
discharge battery that we have used in the past, and then  
powering the HF rig from this combination. Then if we need to  
shut down the generator to refuel we just turn off the amplifier  
and continue running the HF station.

The question I have is how will the Astron supply react should it  
be turned off and see a connection to an infinite current source  
at 12 volts connected to its output? Does anyone have an Astron  
schematic and is able to determine if it will survive this? Has  
anyone done this. I'm sure that as long as the Astron is powered  
up it will make a fine battery charger, my concern is that I'll  
melt a couple of transistors if the power supply is turned off.

Although others will no doubt say otherwise, I'll say that it didn't  
seem to make a big difference when I accidently connected my battery  
across my powered-down astron. (model number escapes me... 20 or 25  
Ampere model without meters)

I wanted to run my station off battery power but have the astron available for QRO (14V vs 12V - a measurable difference in output power). I wired the radio to the battery and the power supply to the battery through a switch. I installed the switch upside down and believed it was off when in reality it was on. (Yeah, I know "Stupid, inattentive, careless, fat, grey haired, old man")

Anyhow, when I discovered the error I checked out the PS and it seems to have suffered no harm. I didn't let any of the smoke out and it seems to regulate just fine.

You may do well to put an N.O. 120V relay on the output. I believe I may do that "one of these days".

My most recent stupid operator trick was running my icom 735 with no antenna. It wouldn't produce any output power. I thought that was QUITE unusual and went looking for a cause when I remembered that I had disconnected the antenna lead a few days before in anticipation of an electrical storm.

I attached the antenna lead, keyed the radio and all seems to be working there as well.

Darned fine radio that ic735. It seems to be engineered well enough to survive even me.

--

Val Breault - N80EF - vbreault@gmr.com \ /|  
Instrumentation dept GM NAO R&D Center \ / |  
My opinions are not necessarily those of \ /\_\_|  
GMR nor of the General Motors Corporation \ / |\_\_\_

-----

Date: 10 Jun 93 18:40:40 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: AURORA WATCH: Warning Downgraded to a Watch - 18Z/10 June  
To: info-hams@ucsd.edu

/\

MIDDLE LATITUDE AURORAL ACTIVITY WATCH

WARNING DOWNGRADED: 18:00 UT, 10 JUNE

/\

VALID UNTIL: 19:00 UTC ON 12 JUNE

MODERATE RISK PERIOD: 10 - 11 JUNE (UT days)

PREDICTED ACTIVITY INDICES FOR NEXT 3 DAYS: 25, 20, 15 (11 - 13 JUN)  
(INPUT INTO THE PREDICTIVE AURORA SOFTWARE \*)

POTENTIAL MAGNITUDE OF MIDDLE LATITUDE AURORAL ACTIVITY: LOW - MODERATE

ESTIMATED OPTIMUM OBSERVING CONDITIONS: SUNSET TO 01:00 OR 01:30 AM LOCAL

EXPECTED LUNAR INTERFERENCE: MODERATE

OVERALL OPPORTUNITY FOR OBSERVATIONS FROM MIDDLE LATITUDES: FAIR

AURORAL ACTIVITY MAY BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

MOST OF THE NORTHERN U.S. STATES AND SOUTHERN CANADA FROM SOUTHERN  
BRITISH COLUMBIA TO CENTRAL MONTANA TO NORTH DAKOTA TO MINNESOTA TO  
MICHIGAN TO NORTHERN NEW YORK STATE TO SOUTHERN MAINE AND POSSIBLY  
PARTS OF NEW HAMPSHIRE.

ACTIVITY MAY ALSO BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

NORTHERN U.K. TO THE NORTHERN EUROPEAN REGIONS INCLUDING MUCH OF  
THE NORTHERN AND CENTRAL PARTS OF NORWAY, SWEDEN AND FINLAND, TO  
NORTHERN RUSSIA. THERE IS AN OUTSIDE CHANCE AUSTRALIAN AND NEW  
ZEALAND REGIONS MIGHT SPOT ACTIVITY.

\* Contact: Oler@Rho.Uleth.CA or COler@Solar.Stanford.Edu for more information  
regarding the Auroral Activity Prediction and Simulation Software.

#### SYNOPSIS...

The Middle Latitude Auroral Activity Warning has been downgraded to a Watch. The flare disturbance noted previously has not yet arrived. It is becoming increasingly less likely that we will see this disturbance arrive, even though the associated major flare of 07 June had strong characteristics of a coronal mass ejection. The tardiness of the disturbance translates into a lower transit velocity. Therefore, if it arrives, it is not expected to produce activity as energetic as was originally forecasted. However, we are still expecting auroral activity to become enhanced to levels that should become visible over many upper-middle latitude regions, due to possible combined effects of a solar coronal hole and the tardy flare-related disturbance.

This WATCH will remain active until 19:00 UT on 12 June when it will either be updated or allowed to expire.

\*\* End of Watch \*\*

-----  
Date: Thu, 10 Jun 1993 17:06:47 GMT  
From: csus.edu!netcom.com!jfh@decwrl.dec.com  
Subject: Callbook server  
To: info-hams@ucsd.edu

gws@n8emr.cmhnet.org (Gary Sanders) wrote:

>In article <C8BxyK.Jt2@feenix.metronet.com> marcbg@feenix.metronet.com (Marc Grant) writes:

>>

>>The callbook server at electra.cs.buffalo.edu is about 1 year out of date.  
>> With all the new hams and changes over the past year, it's high time that  
>>it should be updated.

>>Now, maybe I'm missing something - is there another way of getting  
>>You don't have to send me replies via e-mail, we can keep it on this  
>>usenet forum and maybe we'll raise the consciousness level a little.

>

>Marc,

> I think your consciousness needs a little leveling.

>Who are you to dictate if/when the callsign server should be updated?

He's a potential user. Who is the database for, if not for its users?

>The folks at buffalo.edu, myself and several others have all offered  
>callsign lookups via various direct and indirect methods on the internet.  
>Might I have your mailing address? Ill drop you an invoice for your  
>share of the fees to get the latest database. Depending on how you  
>get the database its going to cost the supporting group \$100 and up  
>for a twice yearly updated callbook.

The CD's cost what, about \$25-\$30?

>Since most offer the database  
>lookups as a friendly service a note of thanks to the database maintainer  
>should be in order instead of this slamming post.

Alas, volunteers who do things expecting thanks are often doomed to  
disappointment. Shouldn't be that way, but it is.

--

-----  
Jack Hamilton      jfh@netcom.com      kd6ttl@n0ary.#nocal.ca.us.na (AMPR)  
Post Office Box Box 281107      San Francisco, California 94128 USA  
-----

Date: Thu, 10 Jun 1993 17:27:32 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!hpscit.sc.hp.com!  
icon.rose.hp.com!greg@network.UCSD.EDU  
Subject: HB9CV (was Re: 3 Element, 2m Beam Project ?)  
To: info-hams@ucsd.edu

Bernd Sieker (bsieker@techfak.uni-bielefeld.de) wrote:

:

: Anyone Interested in the HB9CV design? I will post it then!

Yes. I've built the "7db for 7 Bucks" 3 element yagi from the recent QST,  
and am disapointed with its bandwidth. If this one will cover 144-148 (or  
at least 145-148) with reasonable SWR, I'd definitely be interested. I'm  
especially interested in the driven element feed.

Thanks,

Greg KD6KGW

-----  
Date: Thu, 10 Jun 1993 18:42:11 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!  
srngenprp!alanb@network.UCSD.EDU  
Subject: HW-100 versus HW-101 ???  
To: info-hams@ucsd.edu

Fred McKenzie (fred-mckenzie@ksc.nasa.gov) wrote:

: While these radios had their place in Ham history, I wouldn't recommend one  
: unless you are a good RF circuit person, and have lots of time on your  
: hands.

An old radio is like an old car. It can be a good value if you don't mind  
fixing the occasional problem. Fortunately, the older models (both cars  
and radios) are easier to work on.

AL N1AL

-----  
Date: Thu, 10 Jun 1993 16:06:55 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
darwin.sura.net!gatekeeper.es.dupont.com!esds01.es.dupont.com!  
GRIB%esvx17.es.dupont.com@network.UCSD.EDU  
Subject: Ky sked on 432 MHz needed  
To: info-hams@ucsd.edu

Hi,

My friend Rick Phillips KB3PD needs a contact with someone in Kentucky for his 432 MHz WAS award. If you have 432 capability and can help Rick, please give him a call at one of the following telephone numbers;

(302) 695-7351 (work number 6:00 am to 2:30 pm Eastern)  
(302) 737-7966 (home number)

Thanks,

Joe KI3B

-----  
Date: Thu, 10 Jun 1993 12:26:59 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!  
hermes.chpc.utexas.edu!news.utdallas.edu!corpgate!nrtpa038!harp@network.UCSD.EDU  
Subject: QSLs to Russia and CIS  
To: info-hams@ucsd.edu

In article <1993Jun9.223711.14365@sol.ctr.columbia.edu> vassili@sbpub1 (Vassili Leonov) writes:

>: Apparently, the situation in Armenia (ex-UG6 land) has gotten even WORSE  
>: than it had been. Airmail, which used to be fairly cheap, even recently,  
>: has skyrocketed in cost. It cost 90 rubles to send me this card, which  
>: is apparently a BIG chunk of money. Apparently, it used to cost 5 rubles,  
>Sitation in Armenia is REALLY bad, BUT 90 rubles is NOT a big amount  
>now (at least in Moscow). According to the yesterday's rate is's about  
>10 cents (\$0.1) and though average income is much lower then in the US  
>it still can be estimated as \$1-\$3 in the US - which is quite resonable  
>price for the air mail from the war zone... The main question is of course  
>if the mail will still get US safely. (Though Armenia may be quite different -  
>I suppose not that different).

>Vassili Leonov

>CS SUNYSB

QUESTION: What is the relationship between the pound, the ruble, and the dollar?

ANSWER: It takes a pound of rubles to make a dollar.



\*\*\*\*\*  
\* Alan Harp K4PB \* Bell-Northern Research \* CW FOREVER \*  
\* mail: harp@bnr.ca \* Research Triangle Park, NC \*  
\*\*\*\*\*

-----  
Date: Wed, 09 Jun 93 13:15:08 GMT  
From: pacbell.com!iggy.GW.Vitalink.COM!wetware!spunky.RedBrick.COM!psinntp!  
psinntp!laidbak!tellab5!balr!ttd.teradyne.com!news@network.UCSD.EDU  
Subject: radar gun license  
To: info-hams@ucsd.edu

In article <lbtw4#m@dixie.com>, jgd@dixie.com (John De Armond) writes:

> and instructions on coordination. After reviewing this package I  
> decided it was MUCH easier to simply tweak my X-band radars to the adjacent  
> ham band and run them as amateur transmitters. BTW, the tweak is so  
> small as to make less than a half MPH difference in the display.  
>  
> John

Ahh, but then if you're using them in conjunction with your 'magazine'  
activities, you are then operating them in violation of the business use  
of Ham Radio, prohibition.

-----  
John Rice - K9IJ | "Did I say that ?" I must have, but It was  
rice@ttd.teradyne.com | MY opinion only, no one else's...Especially  
(708)-940-9000 - (work) | Not my Employer's.... Licensed since 1959  
(708)-438-5065 - (bbs ) | Ex: K8YZR, KH6GHC, WB9CSP, W9MMB, WA1TXV

-----  
Date: Thu, 10 Jun 1993 17:18:33 GMT  
From: csus.edu!netcom.com!jfh@decwrl.dec.com  
Subject: The ITU phonetic alphabet  
To: info-hams@ucsd.edu

julian@bongo.tele.com (Julian Macassey) wrote:

> Think about it. Alpha, Bravo, Charlie, Delta, Echo, Foxtrot,  
> Golf, Hotel, India, Juliet, Kilo, Lima, Mike, November, Oscar, Papa,  
> Quebec, Victor, Whisky, X-ray, Yankee, Zulu.  
>

> Of all of the above, the only one I know of that is not a word  
>common to many languages and cultures is X-ray. Many countries use  
>other words for an X-ray such of Roentigen or radiogramma.

Hotel may not be a good choice. The h is silent in French, and my vague memory of a trip to Italy many years ago tells me that the word for hotel doesn't even have an h in Italian. Quebec is pronounced with a k sound in French. Whisky is pronounced with a v sound in many languages.

--

-----  
Jack Hamilton      jfh@netcom.com      kd6ttl@n0ary.#nocal.ca.us.na (AMPR)  
Post Office Box Box 281107      San Francisco, California 94128 USA  
-----

Date: Thu, 10 Jun 1993 10:03:15 GMT  
From: elroy.jpl.nasa.gov!swrinde!emory!wa4mei!ke4zv!gary@ames.arpa  
To: info-hams@ucsd.edu

References <1v2rnpINNc64@rave.larc.nasa.gov>, <1993Jun9.141104.25826@ke4zv.uucp>,  
<1v5akgINNhu8@mojo.eng.umd.edu>I  
Reply-To : gary@ke4zv.UUCP (Gary Coffman)  
Subject : Re: Field Day Power

In article <1v5akgINNhu8@mojo.eng.umd.edu> chuck@eng.umd.edu (Chuck Harris - WA3UQV) writes:

>  
>I've been using a 2.5KW Coleman 5HP Powermate for several years now. It  
>is reliable, hasn't killed any equipment yet, is in the \$250-300 range,  
>and is fairly portable. (Kinda loud though!)

I was afraid of this answer. Not only is the Coleman loud, it drinks fuel with the passion of a parched wino. It's also a splash lubrication system typical of the dreaded B&S engines found everywhere. I like the Kawasaki powered John Deere units as well as the Yamaha and Honda offerings, but they're certainly more expensive. Good old Grainger offers a 6 kw diesel that's quiet and long lived. That's my favorite, but it isn't cheap either.

For 12 volt power, WD40QC has built an interesting little system. It uses a weedwacker engine to direct drive an auto alternator. It's a light and handy way to recharge auto batteries, but won't run all day.

Gary

--

Gary Coffman KE4ZV                    |      You make it,            | gatech!wa4mei!ke4zv!gary

Destructive Testing Systems	we break it.	uunet!rsiatl!ke4zv!gary
534 Shannon Way	Guaranteed!	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244		

-----  
Date: 10 Jun 1993 11:36:14 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!elroy.jpl.nasa.gov!news.larc.nasa.gov!  
arbd0.larc.nasa.gov!zawodny@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1v2rnpINNc64@rave.larc.nasa.gov>, <1993Jun9.141104.25826@ke4zv.uucp>,  
<1v5akgINNhu8@mojo.eng.umd.edu>na  
Subject : Re: Field Day Power

In article <1v5akgINNhu8@mojo.eng.umd.edu> chuck@eng.umd.edu (Chuck Harris -  
WA3UQV) writes:

>In article <1993Jun9.141104.25826@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)  
writes:

>=>

>=>Name names Joseph. Inquiring minds want to know what some of the good

>=>cheap generators are.

>=>

>=>Gary

>

>I've been using a 2.5KW Coleman 5HP Powermate for several years now. It  
>is reliable, hasn't killed any equipment yet, is in the \$250-300 range,  
>and is fairly portable. (Kinda loud though!)

>

>----

>Chuck Harris - WA3UQV

>chuck@eng.umd.edu

We evaluated ~10 makes and models in the 2.5 to 5kw class. The MFGs were very accomodating when we told them what we were doing. The catch was that we told them that we would not publish a detailed list of our findings. Most of the generators we tested had a waveform (under load) that was more N shaped than sinusiodal. This is not neccessarily bad or harmful provided the higher frequency components do not contribute to an excessive overvoltage. Some had rather large spikes (one was just shy of 200V!), while a few had completely unsymmetrical waveforms. As has been pointed out in other postings, something like half of the models we tested had fairly large deviations from 60 cycles (again under load). There were a couple of makes and models in which the actual generator protion of the equipment was made in the good ol' USA (either in or near Chicago or by a company named Chicago, I think). These exhibited waveforms our local Public Utility would be proud of. Of those, one, made by Generac (oops! The secret is out.), also exhibited frequency stability (a few

cycles) and excellent regulation over a very broad range of power output (even while switching large loads off and on). The other nice features of this generator were the cast iron sleeve, light weight (easily handled by two older gentlemen), availability of a 5 gal tank, and low price (\$400-\$450). The point here is not to plug Generac but, to get you to do some testing before you buy. You may have different needs (less than 4KW, portable by one person, etc.). Get ahold of what you are thinking of buying (rent one if need be), get 2-5 hair dryers, a couple of powerstrips, and a scope. In 10 minutes you can tell if this thing will meet your needs or will be harmful to your equipment.

Sorry for being long winded,

--

Joseph M. Zawodny (K04LW)  
Internet: zawodny@arbd0.larc.nasa.gov  
Packet: ko4lw@wb0tax.va.usa

NASA Langley Research Center  
MS-475, Hampton VA, 23681-0001

-----  
Date: 10 Jun 1993 16:54:34 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!  
mojo.eng.umd.edu!chuck@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Jun9.141104.25826@ke4zv.uucp>, <1v5akgINNhu8@mojo.eng.umd.edu>,  
<1993Jun10.100315.29894@ke4zv.uucp>.edu  
Subject : Re: Field Day Power

In article <1993Jun10.100315.29894@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)  
writes:

>In article <1v5akgINNhu8@mojo.eng.umd.edu> chuck@eng.umd.edu (Chuck Harris -  
WA3UQV) writes:

>>

>>I've been using a 2.5KW Coleman 5HP Powermate for several years now. It  
>>is reliable, hasn't killed any equipment yet, is in the \$250-300 range,  
>>and is fairly portable. (Kinda loud though!)

>

>I was afraid of this answer. Not only is the Coleman loud, it drinks  
>fuel with the passion of a parched wino. It's also a splash lubrication  
>system typical of the dreaded B&S engines found everywhere. I like the  
>Kawasaki powered John Deere units as well as the Yamaha and Honda offerings,

Gary,

I can't imagine why you were afraid of my answer. The Coleman  
Generators are a very good, and economical solution to the portable power  
problem. They are American made, and are 1/2 the cost of the nearest  
equivalent Japanese generator.

As to the splash lubrication system, I have been maintaining splash

lubricated B&S, and Tecumseh engines for 25 years, and in that time I have NEVER seen one fail because of a problem that would be caused by the splash lubrication system (the splash system, for those who aren't engine heads, uses the splashing of the oil by a dipper on the crankshaft to lubricate the crankshaft bearings). I have never seen a bearing failure in one of these engines. Even ones that were run completely out of oil.

The weak point in the B&S and Tecumseh engines has always been the aluminum cylinder walls. This has been corrected in all of the newer generator engines by using a cast iron sleeve. All of the expensive pump lubricated engines use splash lubrication to lubricate the cylinder walls and pistons. This includes your car engine.

I can make no comparison as to fuel consumption, but as a reference, last year during field day, my generator ran about 3 hours per 1/2 gallon tank. I brought only 5 gallons of gas, for all of field day, and had some left at the end. The generator was started at the beginning of field day, and ran virtually continuously.

>For 12 volt power, WD40QC has built an interesting little system. It  
>uses a weedwacker engine to direct drive an auto alternator. It's a  
>light and handy way to recharge auto batteries, but won't run all day.

It would be a real interesting system, if he used a 3HP B&S I/C engine to drive his alternator. Then the system would run all day.

73,

Chuck Harris - WA3UQV  
chuck@eng.umd.edu

-----

End of Info-Hams Digest V93 #709

\*\*\*\*\*